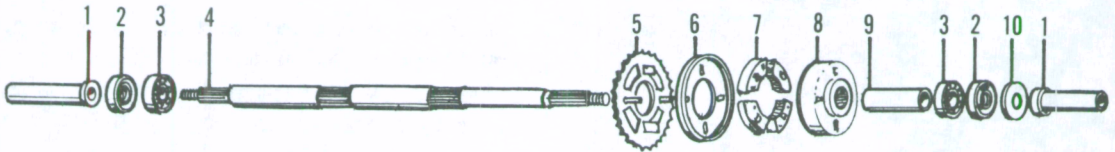


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REAR AXLE AND DRIVEN SPROCKET (1978-ON ATC70)



1. Spacer collar
2. Oil seal
3. Bearing
4. Rear axle
5. Driven sprocket

6. Damper cover
7. Rubber damper
8. Damper cover
9. Distance collar
10. Washer

NOTE

If the driven sprocket is worn or damaged and must be replaced, also inspect the drive chain and drive sprocket for damage. Never replace just one of these 3 components without a thorough inspection of all the rest. If one is replaced, the other 2 should also be replaced. If not, the new component will wear out prematurely.

6. Assemble by reversing these disassembly steps.

REAR AXLE AND DRIVEN SPROCKET (1970-1974 ATC90)

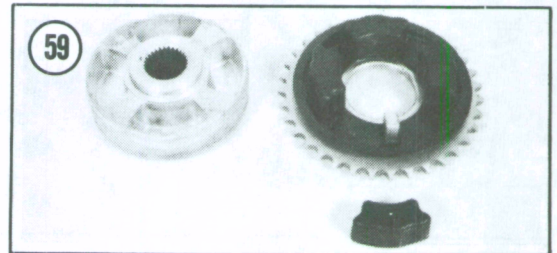
Removal/Installation

1. Remove the seat/rear fender assembly.
2. Remove both rear wheels as described in this chapter.
3. Remove the bolts securing the drive chain case.
4. On the left-hand side, remove the bolts securing the rear axle to the driven sprocket assembly.
5. Withdraw the rear axle from the left-hand side.
6. Inspect the rear axle as described in this chapter.
7. Install by reversing these removal steps, noting the following.
8. When installing the rear axle, carefully align the splines on the axle with the splines inside the driven sprocket assembly.
9. Tighten the bolts to the torque specification listed in Table 1.

Disassembly/Inspection/Assembly

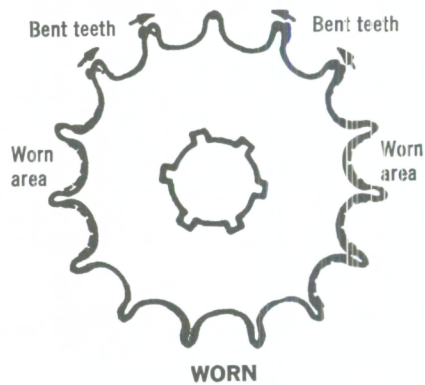
Refer to Figure 61 for this procedure.

1. Remove the rear axle as described in this chapter.



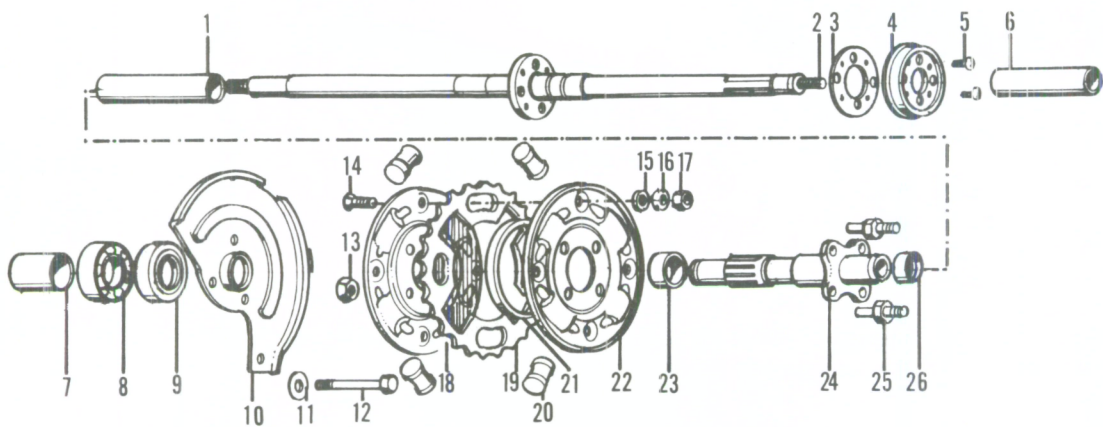
2. On the right-hand side, remove the brake drum nut, seal washer and the brake drum.
3. Remove the driven sprocket/wheel shaft assembly from the left-hand side.
4. Remove the wheel shaft collar from the wheel shaft/sprocket assembly.
5. Remove the nuts, lockwasher and washers securing the driven sprocket to the wheel shaft.
6. Remove the driven sprocket assembly from the wheel shaft.
7. To separate the driven sprocket assembly, perform the following:
 - a. Remove the nuts, lockwashers and lockwashers holding the driven sprocket together.
 - b. Separate the damper holders from each side of the driven sprocket and remove the rubber dampers.
 - c. On 1974 models, remove the sprocket ring.
8. Inspect all components for wear or damage.
9. Replace all rubber dampers as a set even if only one shows signs of deterioration or damage.
10. Inspect the driven sprocket. Compare to Figure 60. If it is worn or distorted, replace the sprocket.

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**REAR AXLE AND DRIVEN SPROCKET
(1970-1974 ATC90)**



- | | |
|--------------------|--------------------------|
| 1. Spacer collar | 14. Bolt |
| 2. Rear axle | 15. Washer |
| 3. Washer | 16. Lockwasher |
| 4. Shield plate | 17. Nut |
| 5. Bolt | 18. Damper holder |
| 6. Spacer collar | 19. Driven sprocket |
| 7. Distance collar | 20. Damper rubber |
| 8. Bearing | 21. Sprocket ring (1974) |
| 9. Oil seal | 22. Damper holder |
| 10. Chain cover | 23. Wheel shaft collar |
| 11. Washer | 24. Wheel shaft |
| 12. Bolt | 25. Threaded stud |
| 13. Nut | 26. Stopper |

NOTE

If the driven sprocket is worn or damaged and must be replaced, also inspect the drive chain and drive sprocket for damage. Never replace just one of these 3 components without a thorough inspection of all the rest. If one is replaced, the other 2 should also be replaced. If not, the new component will wear out prematurely.

11. Assemble by reversing these disassembly steps.

REAR AXLE AND DRIVEN SPROCKET (1975-1978 ATC90 AND 1979-1983 ATC110)

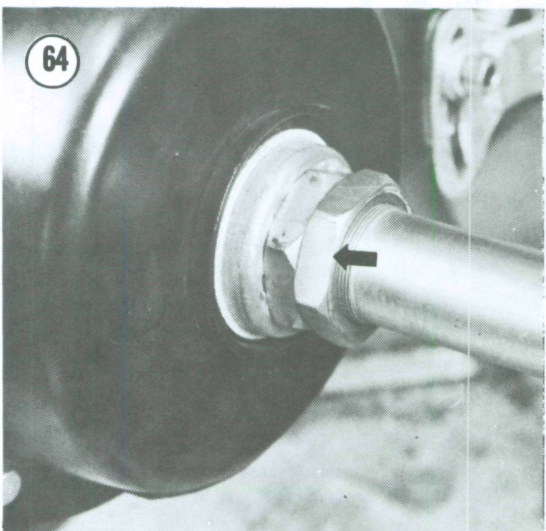
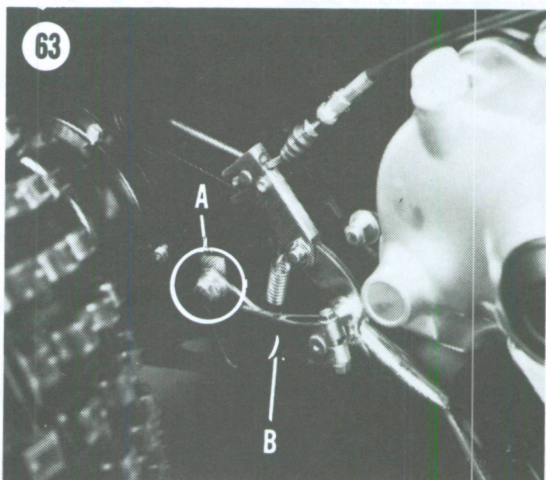
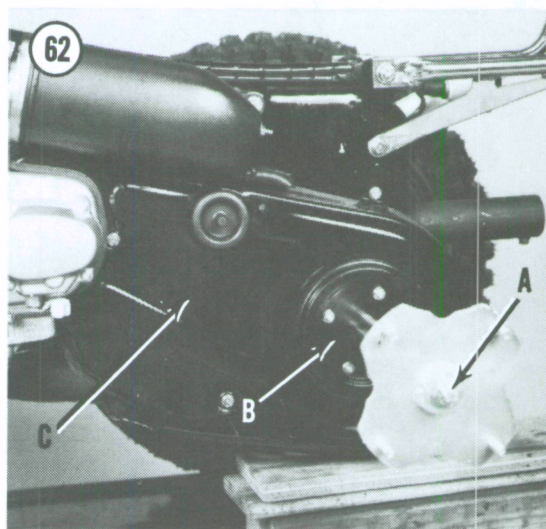
Removal/Installation

1. Place the ATC on level ground and set the parking brake.
2. Remove the seat/rear fender assembly.
3. Remove the bolts securing the skid plate and remove the skid plate.
4. Remove both rear wheels as described in this chapter.
5. To remove the hubs, perform the following:
 - a. Remove the cotter pin and castellated nut securing the rear hub.
 - b. Remove the lockwasher and the hub (A, **Figure 62**).
 - c. Remove both the left- and right-hand hubs.
 - d. Remove the spacer collar(s) from the axle.
6. On the left-hand side, remove the bolts securing the cover plate and slide off the cover plate (B, **Figure 62**).
7. On the left-hand side, remove the bolts securing the drive chain cover and slide off the cover (C, **Figure 62**).
8. On the right-hand side, perform the following:
 - a. Remove the chain tensioner locknut (A, **Figure 63**).
 - b. Remove the bolt and nut securing the drive chain tensioner arm (B, **Figure 63**).
 - c. Remove the tensioner arm.
9. Use a 41 mm wrench and remove the locknut (**Figure 64**) securing the brake drum.

NOTE

*The special 41 mm flame cut wrench (**Figure 65**) is available from a motorcycle dealer, Rocky or other mail order houses.*

10. If you are unable to loosen the locknut it will have to be chiseled off (**Figure 66**). Do not chisel all the way through into the threads on the axle (**Figure 67**).



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